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## What is claimed is:

- 1. A 3-dimentional imaging screen for multi-viewer which projects an object on the screen such that viewers watch a 3-dimentional image, the screen comprising:
- a 3-dimentional image projection screen positioned to a direction of an incident beam of the image, and
- a prism panel formed with prism cell having a plurality of disperse surfaces of the incident beam on a rear surface of the 3-dimentional image projection screen,
- whereby the number of viewing zones is corresponding to the number of the disperse surfaces of the prism cell.
- 2. A 3-dimentional imaging screen for multi-viewer as claimed in claim 1, wherein the prism panel is coupled to the rear surface of the 3-dimentional image projection screen, and the 3-dimentional image projection screen has enough thickness not to generate an interference effect such as a moir\_interference pattern.
- 3. A 3-dimentional imaging screen for multi-viewer as claimed in claim

  1, wherein the prism panel is installed to the rear surface of the 3-dimentional image
  projection screen having a predetermined distance therebetween, and the distance
  between the 3-dimentional image projection screen and the prism panel is properly
  spaced apart not to generate the interference effect such as a moir\_interference pattern.
  - 4. A 3-dimentional imaging screen for multi-viewer as claimed in claim

1, wherein the prism panel is formed and integrated to the rear surface of the 3-dimentional image projection screen in a emboss or engrave manner, and the 3-dimentional image projection screen has enough thickness not to generate the interference effect such as moir\_interference pattern.

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- 5. A 3-dimentional imaging screen for multi-viewer as claimed in claim 1, wherein the prism panel is configured by that the prism cell of which a size is corresponding to a size of one pixel of the projected image on the 3-dimentional image projection screen is formed in an emboss or engrave manner in an 1-dimentional arrangement.
- 6. A 3-dimentional imaging screen for multi-viewer as claimed in claim 5, wherein a height of the prism cell is equal to or higher than a height of the 3-dimentional image projection screen, and a width of the prism cell is equal to or narrower than a width of one pixel of the projected image on the 3-dimentional image projection screen.
- 7. A 3-dimentional imaging screen for multi-viewer as claimed in claim
  5, wherein the width of the prism cell is wider than the width of the pixel of the
  projected image on the 3-dimentional image projection screen.
  - 8. A 3-dimentional imaging screen for multi-viewer as claimed in claim 5, wherein the prism cell is configured into one of a triangular prism, a dove prism, a tetragonal prism, a pentagonal prism, a hexagonal prism, etc., according to the number

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of required viewing zones.

- 9. A 3-dimentional imaging screen for multi-viewer as claimed in claim
  1, wherein the prism panel is configured by that the prism cell of which a size is
  corresponding to a size of one pixel of the projected image on the 3-dimentional image
  projection screen is formed in an emboss or engrave manner in a 2-dimentional
  arrangement.
- 10. A 3-dimentional imaging screen for multi-viewer as claimed in claim
  9, wherein a sectional area of the prism cell is equal to or smaller than area of the pixel
  of the projected image on the 3-dimentional image projection screen.
- 11. A 3-dimentional imaging screen for multi-viewer as claimed in claim
  9, wherein a sectional area of the prism cell is greater than area of the pixel of the
  15 projected image on the 3-dimentional image projection screen.
  - 12. A 3-dimentional imaging screen for multi-viewer as claimed in claim 9, wherein the prism cell is configured into one of a triangular prism, a tetragonal prism, a pentagonal prism, a hexagonal prism, etc., according to the number of required viewing zones.
  - 13. A 3-dimentional imaging screen for multi-viewer as claimed in any one of claims 1 to 12, wherein a thickness of the prism panel is constant or the thickness of the prism panel is decreased or increased in a constant ratio to a width or height

direction.

14. A 3-dimentional imaging screen for multi-viewer as claimed in claim 13, wherein the prism cell has a reflective coating formed on a surface thereof.

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15. A 3-dimentional imaging screen for multi-viewer as claimed in claim 14, wherein an angle between the disperse surfaces in prism cell is near to 180 degrees.